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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2008; month=1; day=4; hr=14; min=37; sec=52; ms=31;]

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Reviewer Comments:

<210> 1

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

Please do not insert the above response in <220> section, The source of genetic material should be <223> section.

This type of error is seen globally in all is sequences.

Application No: 10563310

Version No: 1.0

Input Set:

Output Set:

Started: 2007-12-12 18:09:20.416

Finished: 2007-12-12 18:09:23.529

Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 113 ms

Total Warnings: 79

Total Errors: 79

No. of SeqIDs Defined: 79

Actual SeqID Count: 79

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
E 311	Invalid field content in <220> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
E 311	Invalid field content in <220> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
E 311	Invalid field content in <220> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
E 311	Invalid field content in <220> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
E 311	Invalid field content in <220> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
E 311	Invalid field content in <220> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
E 311	Invalid field content in <220> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
E 311	Invalid field content in <220> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
E 311	Invalid field content in <220> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
E 311	Invalid field content in <220> in SEQ ID (10)

Input Set:

Output Set:

Started: 2007-12-12 18:09:20.416
Finished: 2007-12-12 18:09:23.529
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 113 ms
Total Warnings: 79
Total Errors: 79
No. of SeqIDs Defined: 79
Actual SeqID Count: 79

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
E 311	Invalid field content in <220> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
E 311	Invalid field content in <220> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
E 311	Invalid field content in <220> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
E 311	Invalid field content in <220> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
E 311	Invalid field content in <220> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
E 311	Invalid field content in <220> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
E 311	Invalid field content in <220> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
E 311	Invalid field content in <220> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
E 311	Invalid field content in <220> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
	This error has occurred more than 20 times, will not be displayed
E 311	Invalid field content in <220> in SEQ ID (20)
	This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Affibody AB

<120> Polypeptides having binding affinity for HER2

<130> P106236PCT

<140> 10563310

<141> 2007-12-12

<150> PCT/SE2004/001049

<151> 2004-06-30

<150> SE0301987-4

<151> 2003-07-04

<150> SE0400275-4

<151> 2004-02-09

<160> 79

<170> PatentIn version 3.3

<210> 1

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 1

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Leu	His	Leu	Pro	Asn	Leu	Asn	Glu	Glu	Gln	Arg	Asn	Ala	Phe	Ile	Gln
				20				25					30		

Ser	Leu	Lys	Asp	Asp	Pro	Ser	Gln	Ser	Ala	Asn	Leu	Leu	Ala	Glu	Ala
		35					40					45			

Lys	Lys	Leu	Asn	Asp	Ala	Gln	Ala	Pro	Lys
	50					55			

<210> 2

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 2

Val Asp Asn Lys Phe Asn Lys Glu Leu Arg Gln Ala Tyr Trp Glu Ile
1 5 10 15

Gln Ala Leu Pro Asn Leu Asn Trp Thr Gln Ser Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 3

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 3

Val Asp Asn Lys Phe Asn Lys Glu Pro Lys Thr Ala Tyr Trp Glu Ile
1 5 10 15

Val Lys Leu Pro Asn Leu Asn Pro Glu Gln Arg Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 4

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 4

Val Asp Asn Lys Phe Asn Lys Glu Pro Arg Glu Ala Tyr Trp Glu Ile
1 5 10 15

Gln Arg Leu Pro Asn Leu Asn Asn Lys Gln Lys Ala Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 5

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 5

Val Asp Asn Lys Phe Asn Lys Glu Trp Val Gln Ala Gly Ser Glu Ile
1 5 10 15

Tyr Asn Leu Pro Asn Leu Asn Arg Ala Gln Met Arg Ala Phe Ile Arg
20 25 30

Ser Leu Ser Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 6

<211> 58

<212> PRT

<213> Artificial Sequence

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<400> 6

Val Asp Asn Lys Phe Asn Lys Glu Met Arg His Ala Tyr Trp Glu Ile
1 5 10 15

Val Lys Leu Pro Asn Leu Asn Pro Arg Gln Lys Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys

50

55

<210> 7

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 7

Val Asp Asn Lys Phe Asn Lys Glu Met Arg Lys Ala Tyr Trp Glu Ile
1 5 10 15

Val Leu Leu Pro Asn Leu Asn Arg Arg Gln Ser Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 8

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 8

Val Asp Asn Lys Phe Asn Lys Glu Met Arg His Ala Tyr Trp Glu Ile
1 5 10 15

Ala Thr Leu Pro Asn Leu Asn Asn Val Gln Lys Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 9

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 9

Val Asp Asn Lys Phe Asn Lys Glu Phe Arg Thr Ala Tyr Trp Glu Ile
1 5 10 15

Val Leu Leu Pro Asn Leu Asn Pro Gly Gln Ile Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 10

<211> 58

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<220> Chemically Synthesized

<400> 10

Val Asp Asn Lys Phe Asn Lys Glu Leu Arg Thr Ala Tyr Trp Glu Ile
1 5 10 15

Val Leu Leu Pro Asn Leu Asn Thr Trp Gln Ile Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 11

<211> 58

<212> PRT

<213> Artificial Sequence

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Val Asp Asn Lys Phe Asn Lys Glu Pro Arg Lys Ala Tyr Trp Glu Ile
1 5 10 15

Ala Val Leu Pro Asn Leu Asn Pro Ala Gln Lys Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 12

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 12

Val Asp Asn Lys Phe Asn Lys Glu Met Arg Asn Ala Tyr Trp Glu Ile
1 5 10 15

Ala Leu Leu Pro Asn Leu Asn Asn Gln Gln Lys Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 13

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 13

Val Asp Asn Lys Phe Asn Lys Glu Leu Arg Thr Ala Tyr Trp Glu Ile
1 5 10 15

Val Gly Leu Pro Asn Leu Asn His Phe Gln Val Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
 50 55

<210> 14

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 14

Val Asp Asn Lys Phe Asn Lys Glu Leu Arg Thr Ala Tyr Trp Glu Ile
 1 5 10 15

Val Leu Leu Pro Asn Leu Asn Arg Trp Gln Ile Arg Ala Phe Ile Arg
 20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
 50 55

<210> 15

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 15

Val Asp Asn Lys Phe Asn Lys Glu Ile Arg Asn Ala Tyr Trp Glu Ile
 1 5 10 15

Ala Leu Leu Pro Asn Leu Asn Asn Met Gln Lys Arg Ala Phe Ile Arg
 20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
 50 55

<210> 16
<211> 58
<212> PRT
<213> Artificial Sequence

<220> Chemically Synthesized

<400> 16

Val Asp Asn Lys Phe Asn Lys Glu Phe Arg Lys Ala Tyr Trp Glu Ile
1 5 10 15

Val Val Leu Pro Asn Leu Asn Arg Met Gln Ile Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 17
<211> 58
<212> PRT
<213> Artificial Sequence

<220> Chemically Synthesized

<400> 17

Val Asp Asn Lys Phe Asn Lys Glu Phe Arg Thr Ala Tyr Trp Glu Ile
1 5 10 15

Val Leu Leu Pro Asn Leu Asn Arg Glu Gln Gly Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 18
<211> 58
<212> PRT
<213> Artificial Sequence

<220> Chemically Synthesized

<400> 18

Val Asp Asn Lys Phe Asn Lys Glu Met Arg Thr Ala Tyr Trp Glu Ile
1 5 10 15

Ala Thr Leu Pro Asn Leu Asn Asn Lys Gln Ile Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 19

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 19

Val Asp Asn Lys Phe Asn Lys Glu Phe Arg Asn Ala Tyr Trp Glu Ile
1 5 10 15

Val Val Leu Pro Asn Leu Asn Asn Arg Gln Lys Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 20

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 20

Val Asp Asn Lys Phe Asn Lys Glu Phe Arg Asn Ala Tyr Trp Glu Ile
1 5 10 15

Ala Lys Leu Pro Asn Leu Asn Asn Gly Gln Lys Arg Ala Phe Ile Arg

20

25

30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 21

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 21

Val Asp Asn Lys Phe Asn Lys Glu Phe Arg Gln Ala Tyr Trp Glu Ile
1 5 10 15

Ala Leu Leu Pro Asn Leu Asn His Ser Gln Thr Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 22

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 22

Val Asp Asn Lys Phe Asn Lys Glu Pro Arg His Ala Tyr Trp Glu Ile
1 5 10 15

Val Lys Leu Pro Asn Leu Asn Ser Leu Gln Lys Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 23

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 23

Val Asp Asn Lys Phe Asn Lys Glu Leu Arg Thr Ala Tyr Trp Glu Ile
1 5 10 15

Val Gly Leu Pro Asn Leu Asn Ser Arg Gln Ser Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 24

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 24

Val Asp Asn Lys Phe Asn Lys Glu Leu Arg Thr Ala Tyr Trp Glu Ile
1 5 10 15

Ala Gly Leu Pro Asn Leu Asn Pro Lys Gln Lys Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 25

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 25

Val Asp Asn Lys Phe Asn Lys Glu Met Arg Lys Ala Tyr Trp Glu Ile
1 5 10 15

Thr Gln Leu Pro Asn Leu Asn Thr Arg Gln Thr Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 26

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 26

Val Asp Asn Lys Phe Asn Lys Glu Phe Arg Lys Ala Tyr Trp Glu Ile
1 5 10 15

Val Leu Leu Pro Asn Leu Asn Trp Glu Gln Asn Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 27

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 27

Val Asp Asn Lys Phe Asn Lys Glu Phe Arg Lys Ala Tyr Trp Glu Ile

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Thr	Gln	Leu	Pro
Asn	Leu	Asn	Arg
Glu	Gln	Asn	Arg
Ala	Phe	Ile	Arg
20	25	30	
Ser	Leu	Tyr	Asp
Asp	Pro	Ser	Gln
Ser	Ala	Asn	Leu
Leu	Ala	Glu	Ala
35	40	45	
Lys	Lys	Leu	Asn
Asp	Ala	Gln	Ala
Pro	Lys		
50	55		

<210> 28

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 28

Val	Asp	Asn	Lys
Phe	Asn	Lys	Glu
Met	Arg	His	Ala
Tyr	Trp	Glu	Ile
1	5	10	15

Ala	Thr	Leu	Pro
Asn	Leu	Asn	Thr
Asn	Gln	Ser	Arg
Ala	Phe	Ile	Arg
20	25	30	

Ser	Leu	Tyr	Asp
Asp	Pro	Ser	Gln
Ser	Ala	Asn	Leu
Leu	Ala	Glu	Ala
35	40	45	

Lys	Lys	Leu	Asn
Asp	Ala	Gln	Ala
Pro	Lys		
50	55		

<210> 29

<211> 58

<212> PRT

<213> Artificial Sequence

<220> Chemically Synthesized

<400> 29

Val	Asp	Asn	Lys
Phe	Asn	Lys	Glu
Met	Arg	Asn	Ala
Tyr	Trp	Glu	Ile
1	5	10	15

Val	Gly	Leu	Pro
Asn	Leu	Asn	Arg
Trp	Gln	Ser	Arg
Ala	Phe	Ile	Arg
20	25	30	

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala